



RIVER MILE 10.9 REMOVAL ACTION PERIMETER AIR MONITORING PROGRAM WEEKLY REPORT

Summary of perimeter air monitoring for the week ending August 25, 2013

Dredging operations, which began on August 3, 2013, are being continuously monitored to ensure that air quality is maintained at acceptable levels. To monitor air quality, a number of sampling locations have been established as shown on the map below.

Operations were conducted within acceptable air monitoring limits.

The hydrogen sulfide monitor at location PMS#1 was moved to the weather station location. The results continued to show exceedances of the air indicator (odor) criteria for hydrogen sulfide (the naturally occurring rotten egg smell) during non-dredging periods.



Real-Time Air Monitoring Data

Air Monitoring Station	Daily Averages For Week Ending August 25							
	Air Indicator Criteria	Mon.	Tues.	Wed.	Thu.	Fri.	Sat.	Sun.
PMS #1 (Park)								
VOCs (ppm)	10	0.03	0.12	0.00	0.00	0.00	0.00	0.00
H ₂ S* (ppm)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m ³)	450	8	9	4	6	3	3	8
PMS #2 South (Park)								
VOCs (ppm)	10	0.03	0.06	0.04	0.00	0.00	0.05	0.10
H ₂ S* (ppm)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dust (ug/m ³)	450	6	15	26	28	22	14	23
Mobile #1 (Park)								
VOCs (ppm)	10	0.00	0.00	NS	0.00	0.00	0.01	NS
H ₂ S* (ppm)	0.02	0.00	0.00	NS	0.00	0.00	0.00	NS
Dust (ug/m ³)	450	0.0	32	NS	0.0	9	7	NS
IRS #1 (River)								
VOCs (ppm)	10	0.00	0.03	NS	0.05	0.07	0.06	0.03
H ₂ S* (ppm)	0.02	0.00	0.00	NS	0.00	0.00	0.00	0.00
Dust (ug/m ³)	450	11	2	NS	8	3	4	7

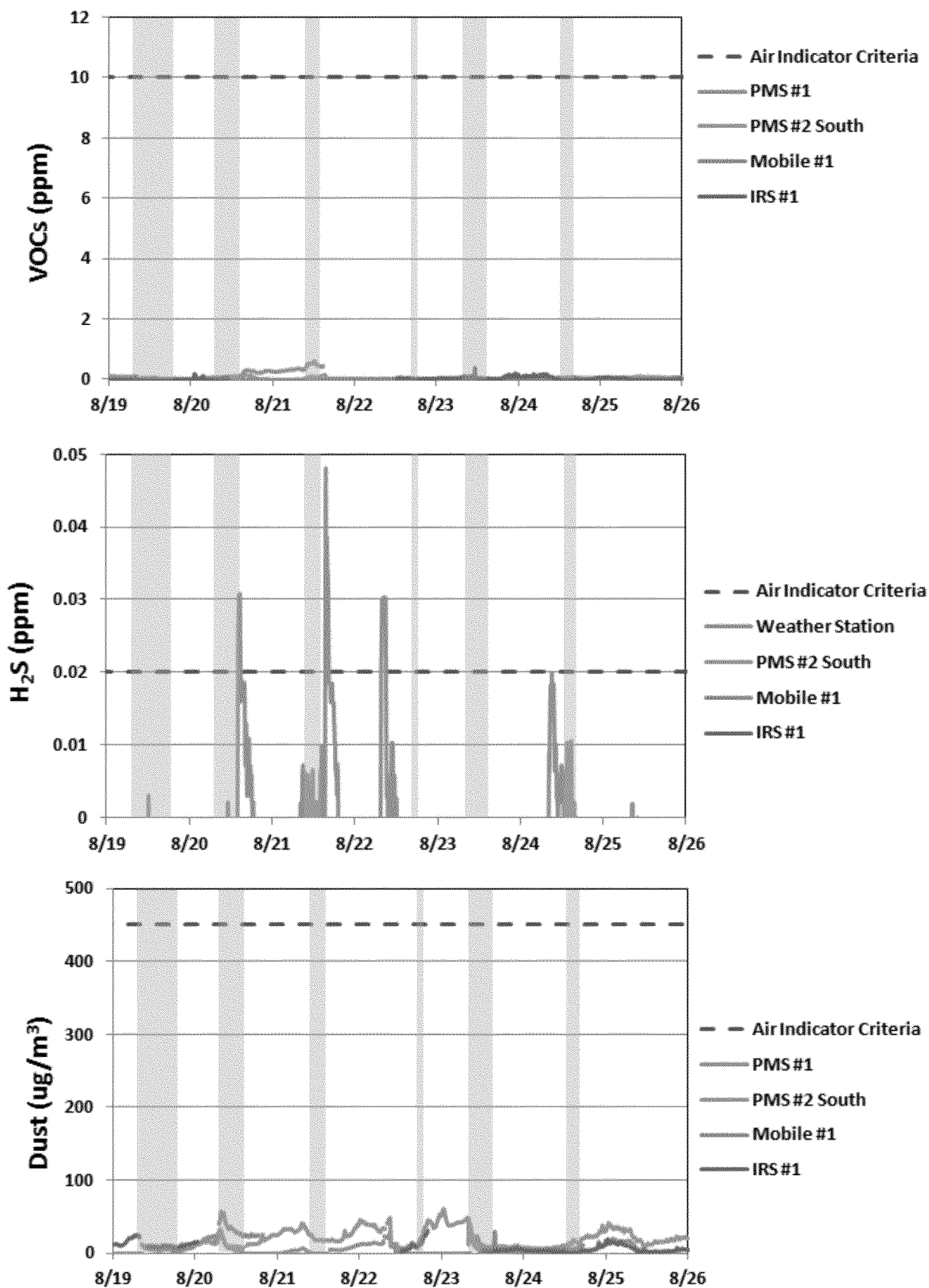
* Odor indicator, criterion not associated with elevated health risk

Key: H₂S = hydrogen sulfide; NS = not sampled; VOC = volatile organic compound

Units: ppm = parts per million; ug/m³ = micrograms per cubic meter

Real-Time Air Monitoring

(Times in which there was dredging activity are shown in yellow)

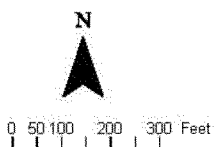


24-Hour Composite Air Monitoring: No Exceedances of Air Indicator Criteria

Station ID	Sample Start Date	Chemical	Air Concentration (ug/m ³)	Air Indicator Criteria (ug/m ³)	Exceedance of Air Indicator Criteria
PMS #1	8/9/2013	2,3,7,8-TCDD	4.9E-09	2.4E-05	no
PMS #1	8/12/2013	2,3,7,8-TCDD	2.5E-09	2.4E-05	no
PMS #1	8/13/2013	2,3,7,8-TCDD	8.3E-10	2.4E-05	no
PMS #1	8/15/2013	2,3,7,8-TCDD	7.6E-09	2.4E-05	no
PMS #1	8/9/2013	PCB	ND	0.11	no
PMS #1	8/12/2013	PCB	9.2E-04	0.11	no
PMS #1	8/13/2013	PCB	ND	0.11	no
PMS #1	8/9/2013	Mercury	ND	2.4	no
PMS #1	8/12/2013	Mercury	ND	2.4	no
PMS #1	8/13/2013	Mercury	ND	2.4	no
PMS #1	8/14/2013	Mercury	ND	2.4	no
PMS #2 South	8/9/2013	2,3,7,8-TCDD	2.5E-09	2.4E-05	no
PMS #2 South	8/12/2013	2,3,7,8-TCDD	3.3E-09	2.4E-05	no
PMS #2 South	8/13/2013	2,3,7,8-TCDD	ND	2.4E-05	no
PMS #2 South	8/15/2013	2,3,7,8-TCDD	2.3E-09	2.4E-05	no
PMS #2 South	8/9/2013	PCB	ND	0.11	no
PMS #2 South	8/12/2013	PCB	1.0E-03	0.11	no
PMS #2 South	8/14/2013	PCB	ND	0.11	no
PMS #2 South	8/9/2013	Mercury	ND	2.4	no
PMS #2 South	8/12/2013	Mercury	ND	2.4	no
PMS #2 South	8/13/2013	Mercury	ND	2.4	no
PMS #2 South	8/14/2013	Mercury	ND	2.4	no
Mobile #1	8/9/2013	2,3,7,8-TCDD	ND	2.4E-05	no
Mobile #1	8/12/2013	2,3,7,8-TCDD	4.0E-09	2.4E-05	no
Mobile #1	8/13/2013	2,3,7,8-TCDD	1.3E-09	2.4E-05	no
Mobile #1	8/15/2013	2,3,7,8-TCDD	4.5E-09	2.4E-05	no
Mobile #1	8/9/2013	PCB	ND	0.11	no
Mobile #1	8/12/2013	PCB	9.8E-04	0.11	no
Mobile #1	8/13/2013	PCB	ND	0.11	no
Mobile #1	8/9/2013	Mercury	ND	2.4	no
Mobile #1	8/12/2013	Mercury	ND	2.4	no
Mobile #1	8/13/2013	Mercury	ND	2.4	no
Mobile #1	8/14/2013	Mercury	ND	2.4	no
IRS #1	8/12/2013	2,3,7,8-TCDD	1.3E-08	2.4E-05	no
IRS #1	8/15/2013	2,3,7,8-TCDD	2.3E-09	2.4E-05	no
IRS #1	8/9/2013	PCB	ND	0.11	no
IRS #1	8/13/2013	PCB	ND	0.11	no
IRS #1	8/9/2013	Mercury	ND	2.4	no
IRS #1	8/12/2013	Mercury	ND	2.4	no
IRS #1	8/13/2013	Mercury	ND	2.4	no
IRS #1	8/14/2013	Mercury	ND	2.4	no

Key: ND = Not Detected; ug/m³ = microgram per cubic meter

DAY:\ANTICONE\PROJ\LOWERPASSAICRIVER\GPRM412305\LOWERPASSAIC\FIG1\LESRM10-08\RAFT\FINAL\FIG1_LPR_COMMAIRMONITOR_RWM.MXD RMCREAD 7/26/2013 9:05:05 AM



Notes:
1. Orthophoto: NJGIS, 2007

Perimeter Air Monitoring Stations
RM 10.9 Removal Action Air Monitoring Plan
Lower Passaic River Study Area, New Jersey